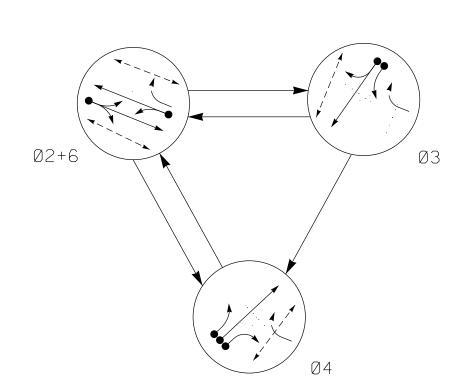
## PHASING DIAGRAM



#### PHASING DIAGRAM DETECTION LEGEND

<b>←</b>	DETECTED MOVEMENT
<b>←</b>	UNDETECTED MOVEMENT (OVERLAP
<b>◄</b>	UNSIGNALIZED MOVEMENT

$\ll$ $>$	PEDESTRIAN	MOVEMENT

AS	C/3 TI	MING C	HART	
AS	C/3 TI		HART	
AS	C/3 TI			6
		PH	ASE	<b>6</b> 10
FEATURE	2	PH 3	ASE 4	
FEATURE  Min Green *	<b>2</b>	<b>PH 3</b> 7	<b>4</b> 7	10
FEATURE  Min Green *  Walk *	<b>2</b> 10 7	<b>PH 3</b> 7	<b>4</b> 7 7	10 7
FEATURE  Min Green *  Walk *  Ped Clear	<b>2</b> 10 7 17	7 7 6	<b>ASE 4</b> 7  7  14	10 7 12
FEATURE  Min Green *  Walk *  Ped Clear  Veh. Extension *	2 10 7 17 3.0	PH 3 7 7 6 1.0	7 7 14 1.0	10 7 12 3.0
FEATURE  Min Green *  Walk *  Ped Clear  Veh. Extension *  Max 1 *	2 10 7 17 3.0 30	PH 3 7 7 6 1.0 20	7 7 14 1.0 30	10 7 12 3.0 20
FEATURE  Min Green *  Walk *  Ped Clear  Veh. Extension *  Max 1 *  Yellow	2 10 7 17 3.0 30 3.0	PH 3 7 7 6 1.0 20 4.0	7 7 7 14 1.0 30 4.0	10 7 12 3.0 20 3.8
FEATURE  Min Green *  Walk *  Ped Clear  Veh. Extension *  Max 1 *  Yellow  Red Clear	2 10 7 17 3.0 30 3.0 4.4	PH 3 7 7 6 1.0 20 4.0 2.2	ASE  4  7  7  14  1.0  30  4.0  2.3	10 7 12 3.0 20 3.8 2.5

Simultaneous Gap	X	X	X	X
* These values may be field	l adjusted. D	o not adjust Min	Green and	Extension times for
phases 2 and 6 lower the	an what is sh	own. Min Green	for all other	phases should not b
lavvan dana 4 aaaamala				

MIN RECALL

X

MIN RECALL

Max Initial \*

Time Before Reduction \*

Time To Reduce \*

Minimum Gap Locking Detector

**Recall Position** 

Dual Entry

•	SI	G	N	٩L	_	F	Δ(	CI	E	-	Ι.	.
		Δ	<u> </u>	l F	Hed	nds	3	١.	. F	. D		

TABLE OF OPERATION

P21, P22 | W | DW | DW | DRK

P23,P24 W DW DW DRK

P31,P32 DW W DW DRK

P41,P42 DWDWWDRK

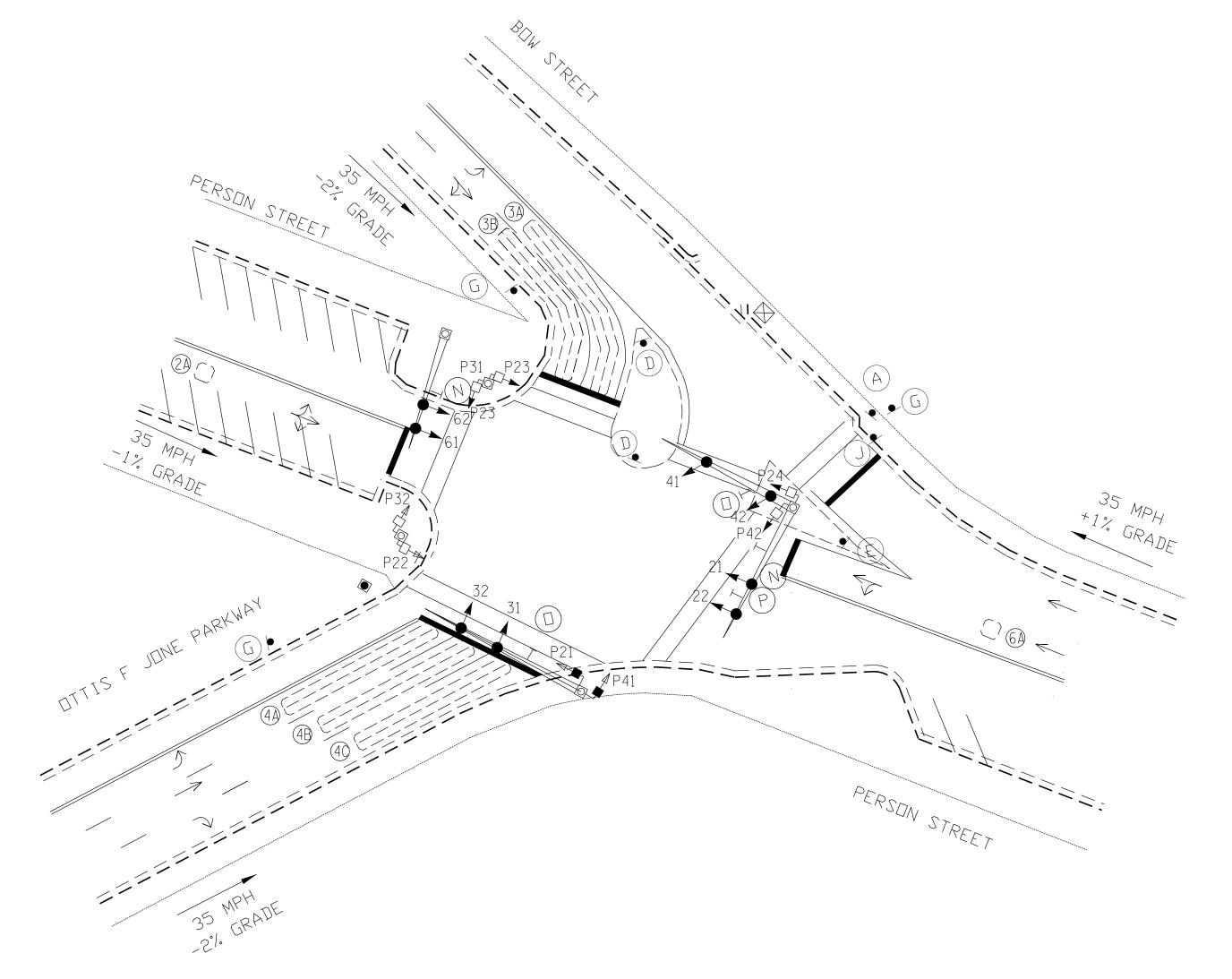
FACE

21,22

PHASE

	AII NEUUS L.E	• U •
R Y G 12"	R Y 12"	1
31 41	21,22 32 42	P21,P22 P23,P24 P31,P32
	61,62	P41,P42

	ASC/3	DETE	CTOR I	INS	STAL	LAT	ION C	HART			
	DETE	CTOR				PRO	GRAMM	ING			
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	TYPE	SYSTEM LOOP	NEW CARD
2 <sup>.</sup> A	6X6	7:0	4	-	2	Yes	-	-	S	-	Y
3·A	6X:60	0	2-4-2	-	3	Yes	-	-	S	-	Υ
3 <sub>B</sub>	6X:60	0	2-4-2	-	3	Yes	-	_	S	-	Υ
4·A	6X:60	0	2-4-2	_	4	Yes	-	_	S	-	Y
4B	6X:60	0	2-4-2	-	4	Yes	-	_	S	-	Y
4·C	6X:60	0	2-4-2	-	4	Yes	-	15	S	-	Y
6·A	6X6	7:0	4	-	6	Yes	-	_	S	-	Υ



## 2 PHASE FULLY ACTUATED (FAYETTEVILLE SIGNAL SYSTEM)

## NOTES

- 1. REFER TO "ROADWAY STANDARD DRAWINGS NCDOT" DATED JANUARY 2012 AND "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2012.
- 2. PAVEMENT MARKINGS ARE EXISTING.
- 3. MAXIMUM TIMES SHOWN IN TIMINGS CHART ARE FOR FREE-RUN OPERATION ONLY. COORDINATED SIGNAL SYSTEM TIMING VALUES SHALL SUPERCEDE THESE VALUES.
- 4. THIS SIGNAL IS PART OF THE FAYETTEVILLE SIGNAL SYSTEM.
- 5. OMIT "WALK" AND FLASHING "DON'T WALK" WITH NO PEDESTRIAN CALLS.
- 6. PROGRAM PEDESTRIAN HEADS TO COUNTDOWN THE FLASHING "DON'T WALK" TIME ONLY.
- 7. DO NOT PROGRAM SIGNAL FOR LATE NIGHT FLASHING OPERATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 8. SET ALL DETECTOR UNITS TO PRESENCE MODE.
- 8. INSTALL NEW CABINET ON EXISTING FOUNDATION.

#### LEGEND **PROPOSED** <u>EXISTING</u> Traffic Signal Head Modified Signal Head Pedestrian Signal Head With Push Button & Sign Signal Pole with Sidewalk Guy Inductive Loop Detector Controller & Cabinet Junction Box 2-in Underground Conduit ———— N/A Directional Arrow "STOP PEDESTRIAN LOOK BEFORE CROSSING" SIGN KEEP RIGHT SIGN (R4-7) DOUBLE ARROW SIGN (W12-1) PEDESTRIAN CROSSING SIGN (W11A-2) "YIELD" SIGN (R1-2) STREET NAME SIGN "BOW ST" STREET NAME SIGN "PERSON ST" STREET NAME SIGN "FRANKLIN ST"

Signal Upgrade



# Person Street Bow Street/ Ottis F Jones Parkway

CUMBERLAND COUNTY FAYETTEVILLE NOVEMBER 2016 REVIEWED BY: RWT

PREPARED BY: RTPREVIEWED BY: REVISIONS INIT. DATE

Richard T Pate SIG. INVENTORY NO.

SEAL

036842

11/21/2016

C018

Hatch Mott MacDonald PO Box 700 Fuquay-Varina, NC 27526 www.hatchmott.com HATCH MOTT MACDONALD | & E, LLC LICENSE NO. F-0669

Prepared in the Offices of:

(A) (D)